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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/534,366	05/09/2005	Kunio Sato	05284/LH	2943
1933 7590 11/21/2007 FRISHAUF, HOLTZ, GOODMAN & CHICK, PC 220 Fifth Avenue 16TH Floor NEW YORK, NY 10001-7708			EXAMINER KOVAL, MELISSA J	
			ART UNIT 2862	PAPER NUMBER
			MAIL DATE 11/21/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/534,366

Applicant(s)

SATO, KUNIO

Examiner

Melissa J. Koval

Art Unit

2862

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 September 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) 4-9 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3 and 10-13 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 09 May 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 4/10/2007.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-3 and 10-13 are rejected under 35 U.S.C. 102(e) as being anticipated by Kitaguchi et al. U.S Patent 7,001,024 B2.
3. Claim 1 sets forth: "A projection device comprising (image input apparatus 1):
a projection unit which projects an image on screen (See the surface shown in the figures. See Figure 2, for example.) based on image data provided to the projection unit (projector unit 3);
storing unit which stores data for generating template images that have predetermined content (See column 9, lines 1 through 6, and memory 28. Also see column 10, lines 30 through 40. Template matching is described in column 17, lines 31 through 46.);
a control unit which obtains the data for generating one template images from said storing unit, provides generated template image data based on the obtained data to said projection unit, and causes the projection unit to project the template image based on the template image data (See MPU 29.);

an imaging unit which captures an image of the screen (See image pick-up unit 2); and
an image recording unit which stores an image captured by the imaging unit (See
column 9, lines 7 through 67, and column 10, lines 1 through 26.).

4. Claim 2 sets forth: "The projection device according to claim 1, wherein:
said storing unit stores pixel pattern information of said template images as said data for
generating said template images; and
said control unit obtains the pixel pattern information from said storing unit, and
generates said template image data, based on the obtained pixel pattern information."

5. Claim 2 is rejected for the same reasons already applied in the rejection of claim
1. Pixel information is referred to in the teaching with respect to predetermined and
calculated coordinates (u_1, v_1) and (u_2, v_2), for example.

6. Claim 3 sets forth: "The projection device according to claim 1, wherein:
said storing unit stores template data for drawing ruled lines and generating said
template images as data for generating said template images and
said control unit obtains said template data from said storing unit, and generates said
template image data to have draws ruled lines drawn based on the obtained in template
data."

7. With respect to claim 3, linear patterns are shown in Figures 2, 8 and 10, for
example.

8. With respect to claim 10, see Figures 16 through 18, for example. The embodiments discussed therein are related to the embodiments discussed in the rejection of claim 1. Furthermore commands are discussed in column 15, lines 37 through 67, and column 16, lines 1 through 31.
9. With respect to claim 11, the MPU 29 sends data.
10. Claims 12 and 13 are met for the reasons already given with respect to the rejection of claims 1 through 3 above. Furthermore see the flowcharts of Figures 19 and 21.

Response to Arguments

11. Applicant's arguments with respect to claim 1-3 and 10-13 have been considered but are moot in view of the new ground(s) of rejection. Claims 4 through 9 remain withdrawn.

Conclusion

12. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

13. A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

14. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

15. Doany et al. U.S. Patent 6,597,410 B1 teaches a system for the automatic adaptation of projector images and a method for the implementation thereof.

16. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Melissa J. Koval whose telephone number is (571) 272-2121. The examiner can normally be reached on Monday through Friday.

17. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Assouad can be reached on (571) 272-2210. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

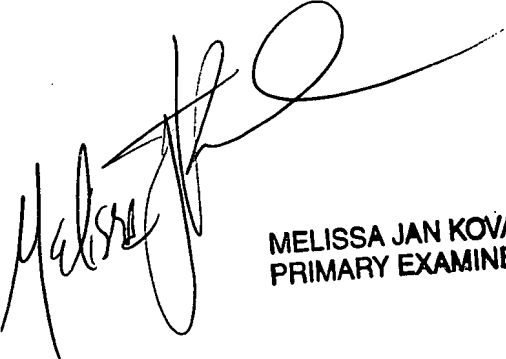
18. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

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For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Melissa Jan Koval
Primary Examiner
Art Unit 2862
MJK



MELISSA JAN KOVAL
PRIMARY EXAMINER